Mowers

DISCO

Front, rear and trailed mowers

Perfectly coordinated – harvesting systems from CLAAS.

If you are out in the fields day after day, you need more than just robust machinery; you need perfectly coordinated technology that is a pleasure to work with, and that keeps going through the hardest working day. And what's more, you need harvesting systems that piece together seamlessly.

As a leading equipment manufacturer of forage harvesting machinery, CLAAS provides the ideal harvesting chain for any farm or business size. Our coordinated machines support you in your day-to-day operations and enable you to achieve optimal results in forage harvesting.

disco.claas.com

DISCO front, rear and trailed mowers.

MAX CUT –
always one step ahead.

Perfect results in all operating conditions.

The MAX CUT mower bar is now fitted on all CLAAS front mowers and almost all DISCO rear mowers. The CLAAS name stands for professional equipment, from the smallest model to the largest.

MAX CUT – satisfied customers all around the world.

1 Gabriele Gambini, contractor, Italy
2 Darcy Finch, contractor, New Zealand
3 Yukio Tomari, farmer, Japan
4 Karl Krumm, contractor, Germany
5 Hayo Verbeek, farmer, Germany
6 Didier Grasset, farmer, France

Gabriele Gambini, contractor, Italy

"The new bar is great, because it does the job reliably in any situation."

Darcy Finch, contractor, New Zealand

"We've been working with MAX CUT for the last four years, and have harvested over 12,000 ha in that time. The bar is extremely durable and always delivers top performance."

Yukio Tomari, farmer, Japan

"With my DISCO, I mainly mow meadow fescue. When I compare it with other mowers, I find I can drive much faster while still achieving perfect cutting quality."

Karl Krumm, contractor, Germany

"My customers and I are completely satisfied with the high quality of the DISCO 9100 C AS. I would buy the same machine again tomorrow."

Hayo Verbeek, farmer, Germany

"Even at high work speeds and dealing with different growth heights, we always get a very good quality cut."

Didier Grasset, farmer, France

"We are very satisfied with the new mower bar. As well as the quality of cut, we like the low costs and ease of maintenance."

The secret is in the wave design.

Maximum pressing force.

The core structure of the mower bar is the wave-shaped bed, stamped from a single piece, with a pressing force of 3,000 tonnes. This is the secret of MAX CUT, giving it the required underlying strength and allowing the inclusion of a host of unique technical details. The wave design is the only way to meet all the requirements for a mower bar today, efficiently and without compromise.

Ultra-precise bolt fit.

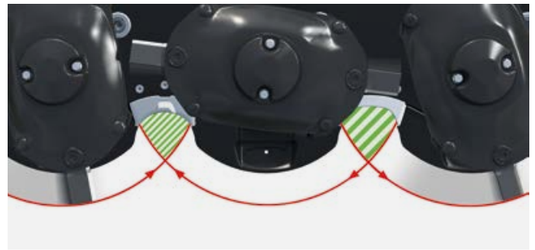
The base and cover are machined together, resulting in an ultra-precise fit between the two halves of the structure. The innovative bolt design also provides a perfect positive connection, for maximum deflection and impact resistance without the weakening effect of welding processes. And last but not least, the use of high-strength, fine-grain steel ensures maximum service life for the MAX CUT mower bar, even under extreme loads.

A strong cover.

Optimum use of material: the maximum bar cross-section created by the wave shape, along with the very small module openings in the bar cover, ensure outstanding strength and resilience.

Operation in detail.

Only the wave design can provide the space required for two unique connecting pieces, specially hardened for the purpose. The connection piece with a raised section where the knives run towards each other (left) operates like a shear bar, preventing clumps of dirt forming. It also protects the bar from cutting damage. And thanks to the slimline connecting piece on the right, as the knives move apart they clear the bar earlier, and start cutting immediately. The special design also ensures optimum crop flow.



Superb quality cut through maximum overlap.

Perfect cut, thanks to the specially shaped connecting pieces: at the point where the knife pairs are moving apart, there is maximum overlap between the circles of rotation of the knives, boosting the cut surface area.

SAFETY LINK.

The familiar SAFETY LINK safety module has been further improved, and is larger than before. The pressed bed structure provides more design space, also making it easier to replace when required. The specially sealed double groove ball bearing ensures maximum service life. Each individual mowing disc is protected by a predetermined breaking point in the safety module, and will shear in the event of a collision, thus protecting the drive train. An axial bolt holds the mowing disc firmly in position.

Tunnel effect.

Specially shaped extra-wide skids convey dirt to the rear, ensuring a clean crop. The wave design allows them to be supported well towards the front, for effective bar protection.

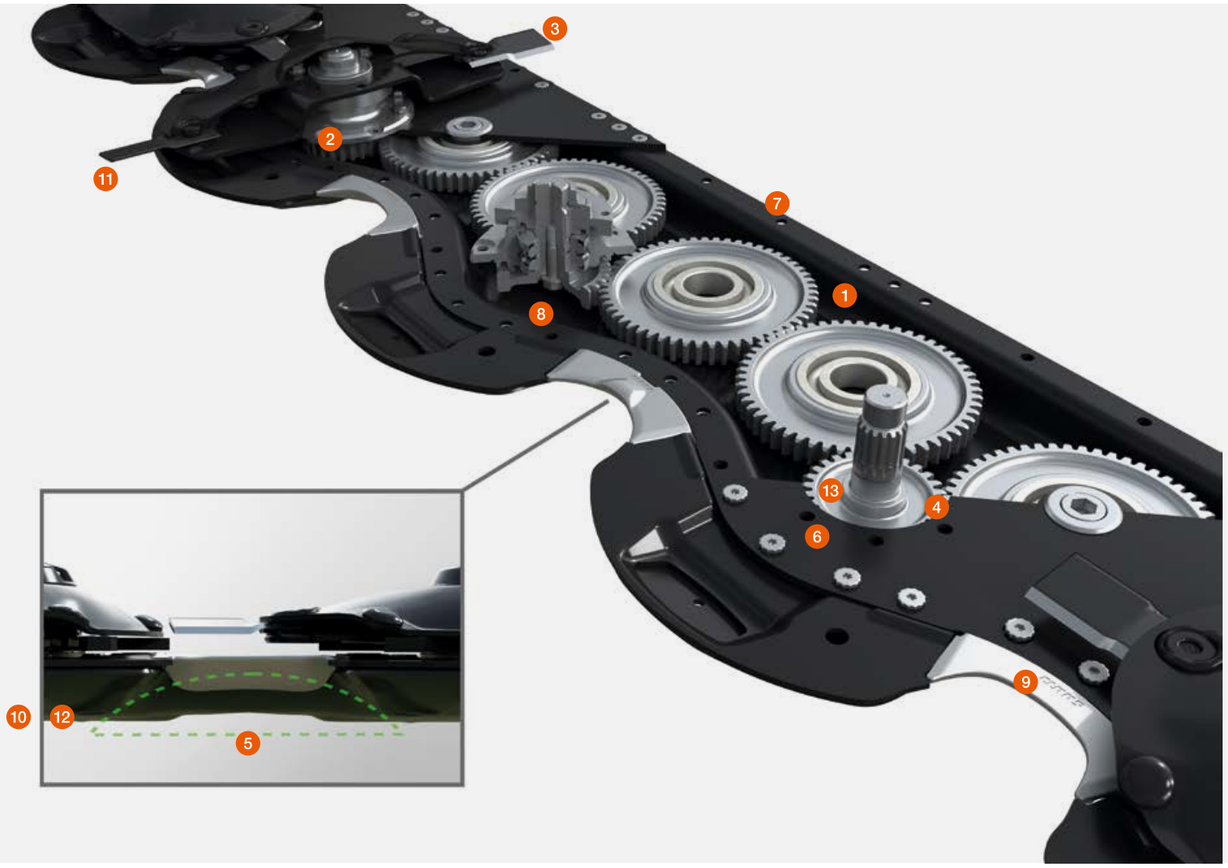
MAX CUT for maximum quality.

Unique drive concept.

The enhanced satellite drive plus the benefits from a range of other drive design solutions give the MAX CUT mower bar unmatched efficiency performance. The wave shape enables the large satellite wheels to be placed well to the front, engaging at two points. Uniform disc intervals ensure a perfect cut configuration under all operating conditions. Only the highest-quality materials have been used, for maximum service life. The MAX CUT bar is permanently lubricated, and is therefore maintenance-free.

Fuel savings.

– Extremely light footprint, thanks to wide skids, resulting in less material accumulation and lower resistance
– The mower bar can be run at a reduced PTO speed (850 rpm) – there is no detrimental effect on mowing quality, and you get fuel savings of up to 16 percent



1 Mower bed stamped from a single piece
2 Mowing discs in forward position
3 Fully rotating knives
4 Efficient drive concept
5 Optimised tunnel effect
6 Innovative bolt connection for maximum deflection and impact resistance
7 Permanently lubricated mower bar
8 SAFETY LINK safety modules
9 Specially hardened and bolted connection pieces
10 Skids with spoiler effect
11 Convenient quick blade change
12 Wear skids, high-cut skids, twin high-cut skids and bar protection device available as optional equipment
13 Very small bar openings

Precision in every detail.

Specially finely ground convex gear wheels ensure optimum power transmission efficiency. Because of their size, they turn much more slowly than the satellite wheels, resulting in quiet, low-wear bar operation.

Protected blade holders.

For your safety, the bottom outside surface of the blade holders has a wear-resistant tungsten carbide coating, as also used in excavator buckets.

Shaped for action.

The special shape ensures optimum crop flow and wear-resistance. Additional wear bolts provide reliable protection for oblique surfaces.

Free-running, without obstacles.

Long and sharp, yet safe: the fully rotating blades avoid obstacles, with no reverse side impacts. This means they can always be used on both sides before having to be changed.

Top forage quality.

Optimum results with ACTIVE FLOAT.

No two fields are the same. With ACTIVE FLOAT, you are able to adapt quickly and easily to changing conditions, such as wet spots or dry hilltops. The ground pressure of the mower can be flexibly adjusted with a single-acting spool valve, even while you are working. The currently selected value is displayed on a pressure gauge visible from the cab position.

- Optimum ground-contour following and protection of the grass cover
- Clean forage
- Reduced power and fuel requirements
- Low wear and tear
- High working speeds

Frictional resistance becomes rolling resistance.

ACTIVE FLOAT hydropneumatic suspension is standard equipment on all CONTOUR rear mowers from CLAAS, and is also available as an option on front mowers. This suspension system transfers the weight of the mower from the grass cover to the tractor. It also reduces lateral forces during operation on slopes, for increased riding comfort and improved mowing quality.

As an alternative to ACTIVE FLOAT hydropneumatic suspension, adjustable spring suspension is also available.

The right setting – always.

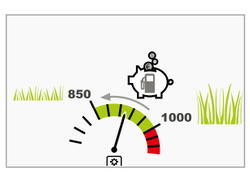
A single-acting spool valve allows the suspension pressure to be adjusted according to the conditions from the comfort of the cab, even while you are mowing. The current set value is displayed on an easily visible pressure gauge. The general rule is to set the suspension as high as possible, and limit the load to the required minimum. Maximum suspension of the mower unit is particularly recommended when mowing at field edges, so that it literally "floats" over uneven ground.

Top results for DISCO CONTOUR.

Independent test results have demonstrated a considerable reduction in both fuel consumption and the foreign material content in forage for DISCO CONTOUR mowers. This is thanks to ACTIVE FLOAT, and also the central hitching configuration. Accordingly, the DISCO CONTOUR model range was awarded the highest score in the test. These mowers can cut your fuel costs, and boost your forage-friendly harvesting capacity and milk production. Fuel consumption can be further reduced by lowering the PTO speed to 850 rpm.

MAX CUT and ACTIVE FLOAT:

- Up to 16 percent less fuel consumption by reducing the PTO shaft speed to 850 rpm
- 2.5 percent less fuel consumption and 17 percent lower ash content in the crop with ACTIVE FLOAT



The economy PTO allows a further reduction in fuel consumption.

The outstanding efficiency of DISCO CONTOUR mowers with ACTIVE FLOAT was confirmed in independent testing by DLG.

DLG FOKUS TEST 05/10 Leistungsbedarf und Arbeitsqualität

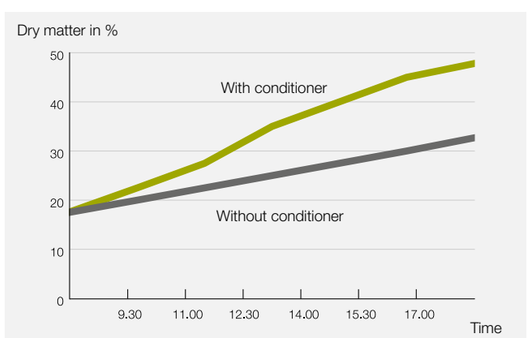
The faster way to dry and wilt the crop.

Tine conditioner.

Tine conditioners with V-shaped tines in a spiral configuration are ideal for harvesting grass crops. Conditioning intensity is set via a baffle plate. Flexible mounting allows the tines to give way and pass around any objects that find their way into the conditioner – stones, for example. This avoids repair costs. As an option, the mown crop can also be spread over the entire working width with a wide crop spreader, or deposited in a single swath with adjustable swathing plates.

Roller conditioner.

Leafy crops such as alfalfa call for protective conditioning. The aim is to crush the stalks without destroying the leaves and thus wasting them. This is where the DISCO mower unit with roller conditioner comes into its own. The durable, polyurethane V-shaped interlocking rollers crush the hard stalks while protecting the leaves. The conditioning intensity can be adjusted via a spring-loading mechanism, which also protects the rollers from foreign objects. Adjustable swathing plates allow swath formation as desired.

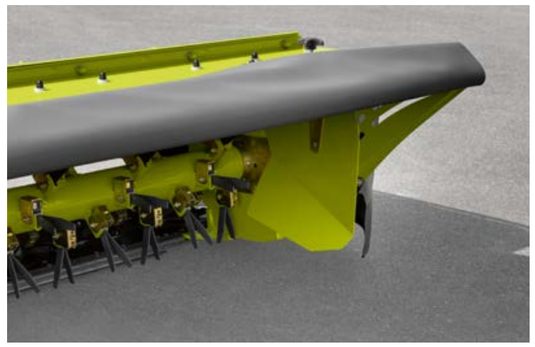


Outsmarting the weather.

Conditioner mowers can be used to significantly reduce wilting and drying time, for effective use of very short harvesting windows. You also save on the time required for crop turning operations. CLAAS therefore offers mowers with a working width as from 2.60 metres, with tine and roller conditioners.

Wide crop spreader.

Even drying: with the optional wide crop spreader for mowers with tine conditioner, the crop is evenly spread over the entire working width.



Swathing plates.

Adjustable swathing plates provide a simple and convenient way to adapt to varying forage quantities and set the required swath width.

Feed drums.

The outside mowing discs are fitted with feed drums for optimum crop flow.

Swathing discs.

For swath formation as required, models without a conditioner can be fitted with swathing discs.

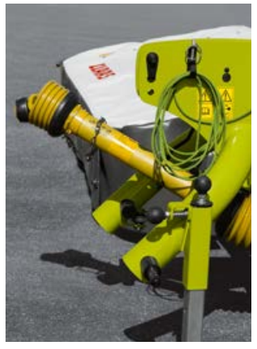
Attractive features.

Range of solutions for enhanced operator comfort.

DISCO mowers are designed to withstand maximum loads over long periods, while consistently delivering a top-quality cutting result. They are easy to use, and maintain outstanding efficiency, even with minimal power requirement. All maintenance work is carried out quickly and easily, and attaching and detaching implements has never been easier.

Easy and efficient hitching.

Different mower types call for different solutions. For example, CONTOUR rear mowers have double cones to simplify the hitching operation, while side-mounted rear mowers have mounting pins at different heights. All front mowers are quickly and easily mounted with the quick attachment coupling triangle.



Out of harm's way.

For your peace of mind, during and after the end of the working day, unfastened components such as wiring, the drive shaft, hydraulic hoses or the control cable are firmly secured to the mower.

Quick blade change.

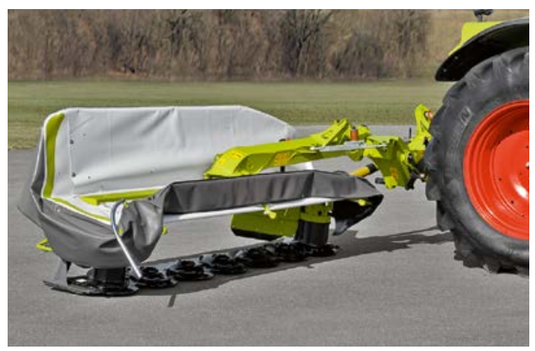
Blades can be replaced in no time at all, using the fitting lever provided. A weatherproof blade box integrated in the mower provides convenient storage for replacement blades and the fitting lever.

Stylish and functional design.

The first signs of wear are usually seen at the edges. Almost all DISCO rear mowers are therefore fitted with safety guards, in some cases made of premium stainless steel.

Easy access.

The bar is super-easy to access for cleaning and maintenance work in all models. Convenient hooks are provided to secure the protective covers.



Protective cover concept.

The protective covers consist of several parts, so the defective section can be quickly and inexpensively replaced, e.g. the side section, which is more exposed to wear.

Drive shaft.

The drive shafts have a 250-hour lubrication interval, and therefore require very little maintenance.

Partnering with PROFIL.

The right decision.

PROFIL front mowers are simply unbeatable. Combining them with a rear or large-scale mower creates a true dream team of mowing excellence. Even when used on their own, they deliver an outstanding result. The patented PROFIL linkage geometry ensures flawless ground-contour following, on any type of terrain.

DISCO 3600 FRC PROFIL	3.40 m
DISCO 3600 FC PROFIL	3.40 m
DISCO 3600 F PROFIL	3.40 m
DISCO 3200 FRC PROFIL	3.00 m
DISCO 3200 FC PROFIL	3.00 m
DISCO 3200 F PROFIL	3.00 m

Full power deployment.

PROFIL – three-dimensional ground-contour tracking.

PROFIL linkage geometry gives the mowers three-dimensional ground-contour-following capability, independent of tractor movement.

The mower is hitched on a pivot support, and therefore adapts perfectly to contours lateral to the direction of travel. Longitudinal adaptation is ensured by the pivot point close to the ground. Low ground tracking prevents mower elements from digging into the soil, and protects the grass cover. This also allows higher mowing speeds. It all adds up to a uniform mowing result.

The benefits.

- MAX CUT mower bar for maximum chop quality
- ACTIVE FLOAT optional hydropneumatic suspension
- Available without conditioner or with tine or roller conditioner, as preferred
- Optional warning signs with lighting for safe transport

Folding protective covers.

Folding protective covers reduce the road transport height to 3.00 or 3.40 metres, and there is also a hydraulic protective cover folding option. This requires a double-acting spool valve.

Maintenance and cleaning.

The protective covers fold upwards all the way around, allowing easy access to the mower bar and all maintenance points – ideal for knife changes, for example.

As in all DISCO mowers, the mower has an integrated knife box of replacement blades. The drive shafts have a lubrication interval of 250 hours, which further reduces maintenance time and costs.

Freely pivoting mount for adaptation across the direction of travel.

Thanks to the low pivot point, the DISCO PROFIL follows the ground contour, and not the tractor.

Compact suspension at the front linkage gives the mower generous ground clearance at headlands.

Compact and powerful.

Ready for the task.

The DISCO front mower is fitted with the MAX CUT mower bar, for superior performance.

DISCO 3150 F 3.00 m

Now with MAX CUT.

Intelligent sideways oscillation.

The inclined pivot point allows perfect ground-contour following. This protects the grass cover, and keeps the crop material clean.

Sturdy structure.

The DISCO 3150 F offers characteristic CLAAS quality. All components have the same quality standards and material thickness specifications as the front mowers in the PROFIL model series.

Agile front mower with professional-level technology.

The DISCO 3150 F is now also equipped with MAX CUT professional-level technology. The tunnel effect ensures minimum ash content – a key requirement for top-quality forage. A swathing disc and half-drum are included as standard equipment, ensuring the crop is laid in a clean swath.

For the DISCO 3150 F, there is a choice of suspension systems, with spring suspension or ACTIVE FLOAT.

Compact and close to the tractor.

The compact hitch, close to the tractor, ensures ideal ground-contour following and a perfect mowing result.

The special DISCO 3150 F design also makes it ideal for use with smaller and special tractors.

Impeccable performance.

Ulrich Hasler from Germany's Allgau region is delighted with his DISCO 3150 F: "The cut quality has been consistently very good, and the compact construction is ideal for the hilly terrain around here. The mower is light and it doesn't drift down slopes, but instead follows the ground contours exactly." Because the land is so variable, Ulrich Hasler mows some areas only once a year, but others up to five times a year. Accordingly, the technology must be able to handle a very wide range of conditions. "Not every front mower can handle high speeds when mowing low growth while travelling downhill, but the DISCO 3150 F can."

Rear mowers for the most discerning of customers.

Faultless reliability.

DISCO CONTOUR rear mowers are productive and reliable, whatever the conditions.

DISCO 4000 CONTOUR	3.80 m
DISCO 3600 RC CONTOUR	3.40 m
DISCO 3600 C CONTOUR	3.40 m
DISCO 3600 CONTOUR	3.40 m
DISCO 3200 RC CONTOUR	3.00 m
DISCO 3200 C CONTOUR	3.00 m
DISCO 3200 CONTOUR	3.00 m
DISCO 2800 RC CONTOUR	2.60 m
DISCO 2800 C CONTOUR	2.60 m
DISCO 2800 CONTOUR	2.60 m

Outstanding selection.

For all requirements.

The CLAAS range of DISCO CONTOUR rear mowers provides suitable machines for all farms and agricultural businesses. This efficient all-rounder combines the outstanding performance of the MAX CUT mower bar with other DISCO benefits. Central hitching ensures perfect ground-contour following in all models. The 120° road transport position also makes the machine compact and safe on the road.

Compact and stable on the road.

The mower is folded in with a dual-piston ram, with gradual braking before the end stop point. It is then locked and secured for road transport, either mechanically or with the optional hydraulic lock system. The rear axle load is evenly distributed, which prevents rocking during the journey.

The compact road transport position allows even low access ways to be negotiated without difficulty, with the rear view mirror giving the driver ample visibility behind the vehicle.

Enhanced safety and comfort.

Ideal on the road – to get the road transport height down to less than 4.00 metres, the protective side covers of the DISCO 4000 CONTOUR rear mower can be folded either mechanically or hydraulically.

During the transport operation, the mower units are secured with a mechanically or hydraulically operated claw.

For even greater safety on the road, optional warning signs with lights are available.

Integrated reliability.

Optimum ground-contour following.

The mower units in the CONTOUR model series are hitched at the centre of gravity, so they can pivot freely and adapt to the ground contours. The correct adjustment height is indicated with arrow markings on the booms.

Solid construction.

The construction of our machines is robust and clearly laid out, with mower components built for maximum strength and stamina. To protect the hydraulic components, they are integrated in the frame structure wherever possible.

Well protected.

All DISCO rear mowers have mechanical breakback protection. The attachment is inclined at an angle of 15°, so that in the event of a collision with an object the mower is lifted up and back. Mowing can then continue after a brief reset operation.

Safe on the road.

The 120° transport position and centre of gravity location close to the tractor provide outstanding stability, for safety and ease of handling on the road. There is also a mechanical lock system to hold the mower securely when in the transport position.

Higher milk yield from an optimum mowing combination.

For the Groiner Milch KG dairy partnership in Niederrhein, North Rhine-Westfalia, as for any other dairy farming business, feed quality is a key sucess factor. They have a herd of 500 dairy cows to feed, on a farm with some "very uneven terrain with ditches all over the place," says Felix Streuff, one of the partners. Whenever the conditions permit, he likes to mow with the reduced PTO speed (850 rpm).

He is extremely pleased with the contour following and cut quality from his mowing combination of a DISCO 3200 FC PROFIL and DISCO 3600 C CONTOUR. He has no doubt that this improves the quality of the feed, which in turn significantly boosted the farm's milk production last year.

Flexible all-rounder.

With conditioner.

All CONTOUR rear mowers are available either without conditioner or with tine or roller conditioner, with up to 3.40 metres working width.

Keeping the machine shed tidy.

A practical support frame option is also available, with or without rollers, so that the machine can be parked away in the compact transport position when the job is finished. The support trestle on rollers is ideal wherever space is at a premium, allowing the mower to be moved easily without the aid of a tractor.

Working on slopes.

As well as protecting the soil, ACTIVE FLOAT suspension minimises lateral forces on slopes. The drive train has also been optimised for mowing on slopes.

Maintenance and cleaning.

The protective covers fold up all the way around, providing easy access to the mower bar and all maintenance points. This is ideal for knife changes, etc.

As in all DISCO mowers, the mower has an integrated knife box of replacement blades. The drive shafts have a lubrication interval of 250 hours, which further reduces maintenance time and costs.

The benefits.

- MAX CUT for superb chop quality
- ACTIVE FLOAT hydropneumatic suspension
- Available without conditioner or with tine or roller conditioner, as preferred
- Adjustable lower linkage pins, double cones and KENNFIXX® hydraulic connectors for ultra-convenient hitching
- Breakback protection
- Clearly visible height display
- Hydraulic locking device (optional)
- Warning signs with lighting
- Pivoting swathing discs (optional)
- Parking trestle (optional)

Better mowing with MAX CUT.

High hectares, low power requirement.

In the same way as the large-scale mowers, CLAAS side-mounted rear mowers also feature professional-level technology. MAX CUT is available as from a working width of 2.60 metres.

DISCO 3550	3.40 m
DISCO 3150 C	3.00 m
DISCO 3150	3.00 m
DISCO 2750 RC	2.60 m
DISCO 2750 C	2.60 m
DISCO 2750	2.60 m

Ready for the task.

Compact transport position.

The pivot point is located well inside, so the mower in road transport position is hardly any wider than the tractor. Having the centre of gravity close to the tractor ensures excellent stability on the road, and the mower is automatically secured mechanically in the transport position.

Continuous suspension.

Powerful coil springs provide the mower suspension, transferring a proportion of the machine's weight to the tractor. The arrangement of the springs ensures that the residual weight is distributed evenly across the full length of the mower bar. Adjustment of the ground pressure according to harvesting conditions is carried out without the use of special tools.

Easily adjustable.

Adjustable mounting bolts are used to set the tractor track width. This allows use of the full working width and setting of the optimum overlap when operating in combination with a front mower. Pins at different heights ensure easy and convenient hitching.

Mechanical breakback protection.

Mechanical breakback protection, consisting of robust pawls and elastomers, effectively prevents damage to the mower bar. Once the overload device is activated, the operator simply has to lower the mower and briefly back up.

Drive with elastic V-belts: these reliably cushion load peaks and ensure constant power transfer.

All the mower's protective covers fold up, for easy access to maintenance points. A special feature is the sturdy construction.

Parking brackets for the drive shaft and for hoses, leads and cables keep things tidy on the mower when parked.

Good product ideas.

Save space.

A practical, space-saving parking trestle option is also available in the 50 rear-mounted model range, allowing you to make best use of the space available on the farm.

We've listened to our customers, and have changed things accordingly.

With side-mounted rear mowers without conditioner, an innovative headland limiter system is available as optional equipment, gently braking the mower and bringing it into the headland position. The limiter can be overridden simply by pulling on the cable, allowing the mower to be placed in the transport position.

Roller conditioner.

For leafy crops, the DISCO 2750 RC with roller conditioner is ideal.

Tine conditioner.

To curtail the drying time required during harvesting, mounted mowers with working width up to 3.00 metres are available with a tine conditioner. For improved conditioning and spreading, these models have the same housing as used in the DISCO CONTOUR model series.

Swathing discs.

All models can optionally be fitted with an outside swathing disc, to lay the crop in a tidy swath.

Loads of punch on two wheels.

All the traction you need.

Like their mounted counterparts, trailed DISCO mowers also offer outstanding technical features and high hectare coverage.

DISCO 3600 TRC CONTOUR	3.40 m
DISCO 3600 TC CONTOUR	3.40 m
DISCO 3200 TRC CONTOUR	3.00 m
DISCO 3200 TC CONTOUR	3.00 m
DISCO 3200 TC AUTOSWATHER	3.00 m
DISCO 3150 TRC	3.00 m
DISCO 3150 TC	3.00 m
DISCO 3150 TC FLAPGROUPER	3.00 m

Keeping it flexible.

The benefits.

Trailed DISCO mowers with central drawbar provide all the capacity required for high work rates and a successful forage harvesting result.

They also have the characteristic DISCO benefits:
- MAX CUT for superb chop quality
- ACTIVE FLOAT hydropneumatic suspension
- Folding protective covers: easy access to the mower bar and all maintenance points
- Choice of tine or roller conditioner
- Range of swathing plate options available

Full use of the working width.

Thanks to the combination of two double-acting rams, the mower can be pivoted to either side via the central drawbar. One of the rams acts as a stop mechanism, stabilising the mower unit. The drawbar adjustment function available on request – no tools required – allows trailed DISCO mowers to be adapted quickly for all tractors and track widths. This means you can use the full working width on both sides.

Flexible: optional tool-free drawbar adjustment for rapid adaptation to different tractors.

Convenient.

The mowing height is continuously variable between 30 and 70 mm via a crank handle at the front of the mower unit. To protect the mowing bar from collision damage, all trailed mowers come equipped with a breakback safety device which moves the mower to the rear and upwards if a collision occurs.

Ample traction.

The large-size tyres (380/55 R 17 for the DISCO 3600 TRC and TC models, and 340/55-16 12 PR for the DISCO 3200 TRC, TC and TC AUTOSWATHER models) result in maximum soil protection, plus excellent stability when working on slopes and at the headland, or for road transport. The road speed is up to 40 km/h, with ground clearance of 50 cm.

Ample flexibility – the DISCO 3200 TC AUTOSWATHER.

The belt unit for swath grouping is a real winner: in combination with a DISCO front mower, for example, it can lay the crop from a working width of 6.00 metres into a compact swath. The cross conveyor is driven via an integrated on-board hydraulic system. Belt speed is continuously adjustable with a separate control unit. To protect against operator errors, the belt unit switches on and off automatically when the mower is lowered or raised. The lift function parallel to the ground means there is always sufficient ground clearance at the headland.

The trail to success.

Complete product range.

Trailed DISCO mowers with side drawbar have a working width of 3.00 metres, and are fitted with a tine or roller conditioner.

Powerful spring packs.

The spiral springs of the mower suspension can be adjusted to the harvesting conditions without the use of special tools. This protects the grass cover and boosts forage quality.

MAX CUT professional-level technology.

The MAX CUT mower bar ensures top forage quality in all conditions.

Variable cut height.

The cut height is infinitely adjustable between 3 and 7 cm via a crank lever. A scale indicating the currently set value serves as a useful monitoring aid.

Ideal swath shape.

Two adjustable guide plates ensure tidy crop deposition, ideally prepared for the next stages in the process.

Parallelogram suspension.

The parallelogram suspension enables the mower to move backwards and upwards to effectively avoid obstacles. The mower bar is raised over the obstacle for complete protection.

NEW

Double swath for the JAGUAR. Now with MAX CUT.

DISCO 3150 TC FLAPGROUPER.

The hydraulically pivotable additional swath formers behind the conditioner feed the crop through the system, forming a uniform swath. In this way, a double swath approx. 3.20 m wide is created in two passes. As the next step in the operation, this swath can then be picked up directly, for example with a JAGUAR (3.8-m pickup).

DISCO convenience.

Like all DISCO trailed mowers, the DISCO 3150 TC FLAPGROUPER is equipped with special DISCO features:

- MAX CUT mower bar with quick knife change system and SAFETY LINK
- Steel tine conditioner with adjustable conditioning intensity
- Bracket for attaching to tractor lower link
- Gear change box (choice of either 540 rpm or 1,000 rpm)
- Drive shaft with 250-h lubrication interval and double wide-angle joint
- Scale to adjust cutting height
- Tool-free setting of ground pressure with coil springs
- Swivelling drive head for optimal manoeuvring

Another satisfied customer.

Christophe Bernigaud farms in the French region of Charolais-Brionnais, with a herd of around 150 cattle.

The DISCO FLAPGROUPER process has become the norm for harvesting in this region, as Christophe Bernigaud explains:

"In contrast to the situation in many other European countries, the legislation in France allows pick up working widths of more than 3.00 metres. The advantage of this process is that we can lay double swaths directly, which can then be gathered with the forage harvester's pick up. The JAGUAR gets all the material it needs, and all the working steps between mowing and gathering in are eliminated. In summer my animals are normally out grazing in the field, while in winter they are fed only on grass silage, hay and a little bit of maize. That naturally puts the emphasis on results: productivity, a clean cut, and ultimately a good quality crop - all the things we need."

The home of Charolais cattle

Charolais cattle originated here in the Charolais-Brionnais region of France, and are used mainly for beef production.

Handy around the farm.

Christophe Bernigaud is delighted with this technology, because in spite of its size, the mower is quickly folded up for easy and safe transport on the road.

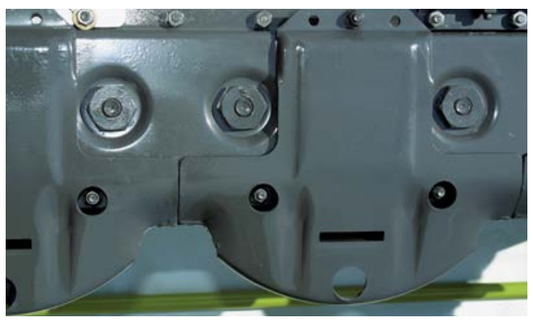
Quality meets simplicity.

The low-cost alternative.

For part-time farmers and small farms, a simple mower is sometimes the best option. The CLAAS product programme therefore includes some reliable no-frills technology alternatives.

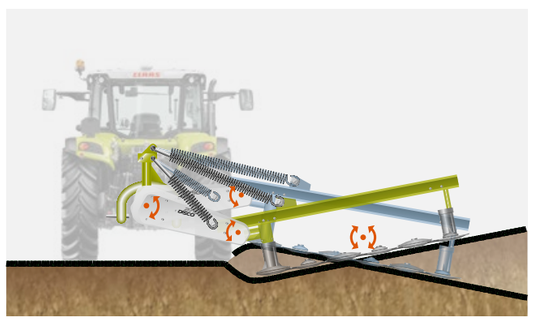
DISCO 290	2.85 m
DISCO 250	2.45 m
DISCO 210 / 210 RC	2.10 m

Robust mowing technology.



CLAAS inline bar.

The inline mower bar is extremely robust, thanks to its high-quality steel housing. Generously dimensioned gear wheels plus sturdy ball bearings ensure a long service life and high functional reliability. The notch recess on the bottom of the bar allows dirt to exit at the rear. The bar is also brushed clean by the stubble left standing.



Weight relief.

The mower bar is suspended on two coil springs, one for each half of the bar. The springs interact to maintain a steady ground pressure across the entire cutting width. This results in constant mower suspension and optimal ground-contour tracking, even in difficult operating conditions. The benefits include lower frictional resistance, protection of the grass cover, and a clean and consistent cut.

Convenient single-lever mechanism.

With just one control lever, the mowing unit can be raised at the headlands or swung into the transport position without having to use the three-point hydraulic linkage or modify basic settings. The mowing unit is lowered to the ground evenly over its full width via the horizontal parallel lifting function. The ground pressure when mowing remains even, and the cut clean.

Breakback protection.

The overload protection responds immediately upon collision with an obstacle. To continue driving, the tractor needs only to be briefly backed up, after which mowing can resume. The mower bar is thus protected at all times.

Clean cutting.

Using a swath former, you can create a driving track between the standing crop and mowed grass. This means the next pass will be precisely aligned, with no crop soiling.

Drive line.

An elastic V-belt drive ensures uniform force transfer, with no peak loads, protecting both tractor and mower. The V-belt tension is indicated with visual markings. If necessary, the belt can be retensioned with a hexagonal head bolt.

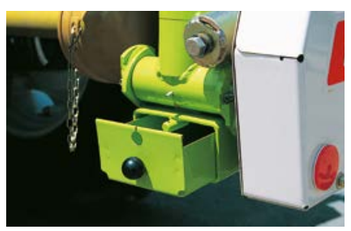
Bar options.

For high acreages, or on sandy or stony ground, wear skids protect the mower bar and increase its service life.

With optionally available high-cut skids, the cutting height can be increased by a further 30 mm. This provides the flexibility needed for different crop types and soil conditions.

Getting it right.

The protective covers fold well up, for easy access to all maintenance points.



An integrated tool box offers ample space for all the materials and items you need in the field, such as knife blades and spanners, for instance.

Transport lock.

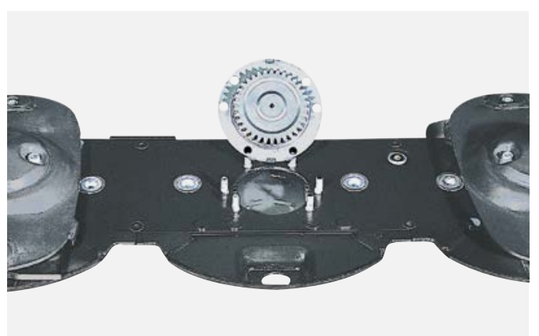
The mowing unit can be folded up for transport via a single-acting ram. A mechanical lock is also provided to secure the unit in place during transport. This ensures that the unit is held firmly in place. The pivot point is located well inside the machine for a minimum transport width.

Three-point mounting.

The lower link pins of the mowing unit are fully adjustable, to adapt the mower to the track width of the tractor, enabling you to fully exploit the chop width at all times. The open, inverted U-frame mounting also provides maximum freedom of movement for the drive shaft.

Gentle conditioning.

The DISCO 210 RC has two rollers engaging with each other in a "V" configuration, with a spring for protection against impacts with extraneous objects. The pre-set tension and roller interval can be set according to the harvesting conditions. The swathing plates are adjustable without the use of tools for tidy crop deposition.



Maintenance made easy.

Drive components can be replaced in a matter of moments for maintenance or repair.

The Wildretter wildlife rescue project.

Every year in spring.

Wildlife, particularly deer, are most at risk at the start of the annual mowing cycle between April and June. The natural instinct of fawns is to crouch down and hide when confronted with noise or a threat. This means they can easily escape the farmer's attention and get caught up in the mowing mechanism. We believe in proactive wildlife protection measures, for animal welfare reasons, and also to avoid any botulism risk to farm animals and psychological stress on mower operators.

How can we help?

Many of the commercially available solutions for wildlife protection involve chasing the animals out of the crop with acoustic or visual alarms, ideally during the evening before mowing starts. Another approach is to use appropriate mowing techniques, starting at the centre of the field and mowing outwards, for example. Excellent results are achieved by working with the game manager to find the animals in the area beforehand, but this is a very time-intensive and labour-intensive method. All these approaches work to some degree, but not necessarily for all species, or only for animals from a certain age. So a more efficient and reliable method is needed.

CLAAS making a difference.

In a partnership with isa industrieelektronik GmbH, the German Aerospace Centre (DLR) and Munich Technical University, CLAAS has been engaged in research to find innovative and practical solutions for detecting the presence of wild animals, particularly young deer, in agricultural crop areas. Infrared cameras scan the fields from the air, and reliably detect any animals in the area, even in high grass or other crops, from their body heat.

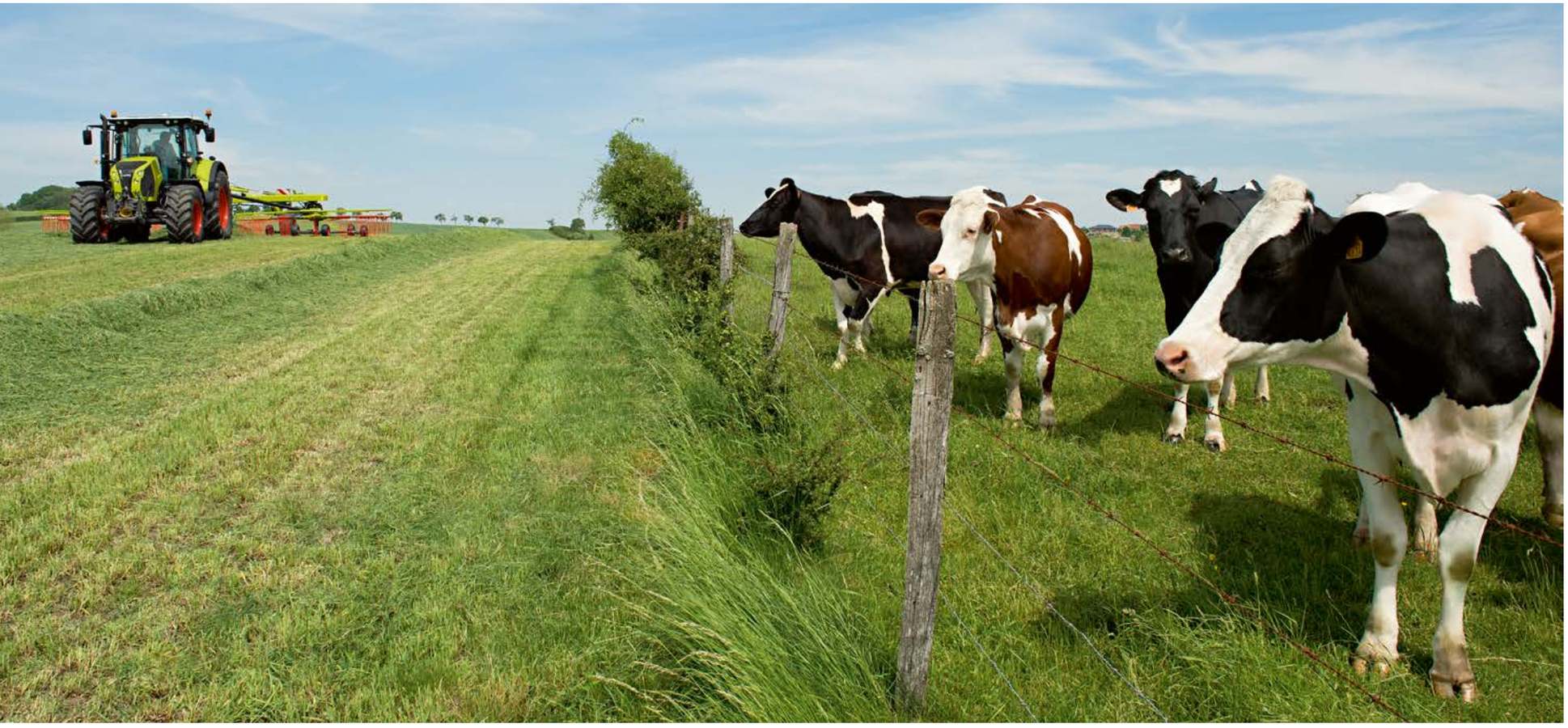
The system works particularly well in the early morning and late evening hours, when the ambient temperature is relatively low. The "Wildretter" project won a wildlife protection prize at the SIMA trade fair in 2011.

Further information on wildlife protection initiatives is available at www.wildretter.de.

Fawns tend to hide in the long grass when confronted with noise or danger.

CLAAS joined together with the project partners right from the outset.

For connoisseurs.



Attention to every detail.

Our perfectly coordinated product range enables you to maintain outstanding forage quality at every stage in the process – without compromise.

Our goals are your goals:

- Healthy cows
- More milk per forage unit
- Higher gas yield for biogas plant operators
- Profitable, efficient and sustainable production

Timing is everything.

Owing to weather conditions, harvesting windows are often very short. CLAAS forage harvesting machines are therefore designed for reliable operation at maximum efficiency, as the only way to achieve top-quality outcomes.

Keeping next season in mind.

CLAAS understands the importance of harvesting with minimum impact on the soil, grass cover and harvested crop. Solutions developed by CLAAS such as ACTIVE FLOAT, MAX CUT and the unique PROFIL linkage geometry for DISCO, MAX SPREAD for VOLTO, and EFFICIENT FEEDING SYSTEM (EFS) for CARGOS help you to achieve these aims. Our optimism for the future is based on close attention to our customers' needs and a wealth of innovative ideas.

Whatever it takes – CLAAS Service & Parts.

Your requirements count.

You can always rely on us: we'll be there whenever you need us – everywhere, quickly and reliably, around the clock if necessary, with precisely the solution that your machine or business requires. Whatever it takes.

100% operating reliability.

Fitting CLAAS ORIGINAL parts ensures the highest degree of operating reliability. Our parts are perfect-fitting, high-quality series parts produced using the latest manufacturing methods and subject to continuous quality controls. Whatever it takes.

ORIGINAL parts and accessories.

Your machine has a crucial role to play – so ensuring its reliability is essential. We think in terms of solutions: for your harvesting requirements and your business. Specially matched to your machine: precision-manufactured parts, high-quality consumables and useful accessories. We will supply exactly the right solution for your machine from our comprehensive product range. Whatever it takes.

Always quickly on the scene.

A tight-knit service network and personal contact partners ensure that we are always easily accessible – from sales staff to technical support and customer service. Whatever it takes.

Always up to date.

CLAAS dealers are among the most efficient agricultural technology companies in the world. Our service teams are ideally qualified and equipped with the all-important special tools and diagnostic systems. CLAAS Service stands for high-quality work which meets all your expectations with regard to expertise and reliability. Whatever it takes.

Worldwide coverage from Hamm.

Our central spare parts warehouse delivers all ORIGINAL parts quickly and reliably all over the world. Your local CLAAS partner can supply the right solution for your harvest or your business within a very short time. Whatever it takes.

The CLAAS Parts Logistics Center in Hamm, Germany, stocks more than 155,000 different parts with warehouse floor space of over 100,000 m².

Once DISCO, always DISCO.

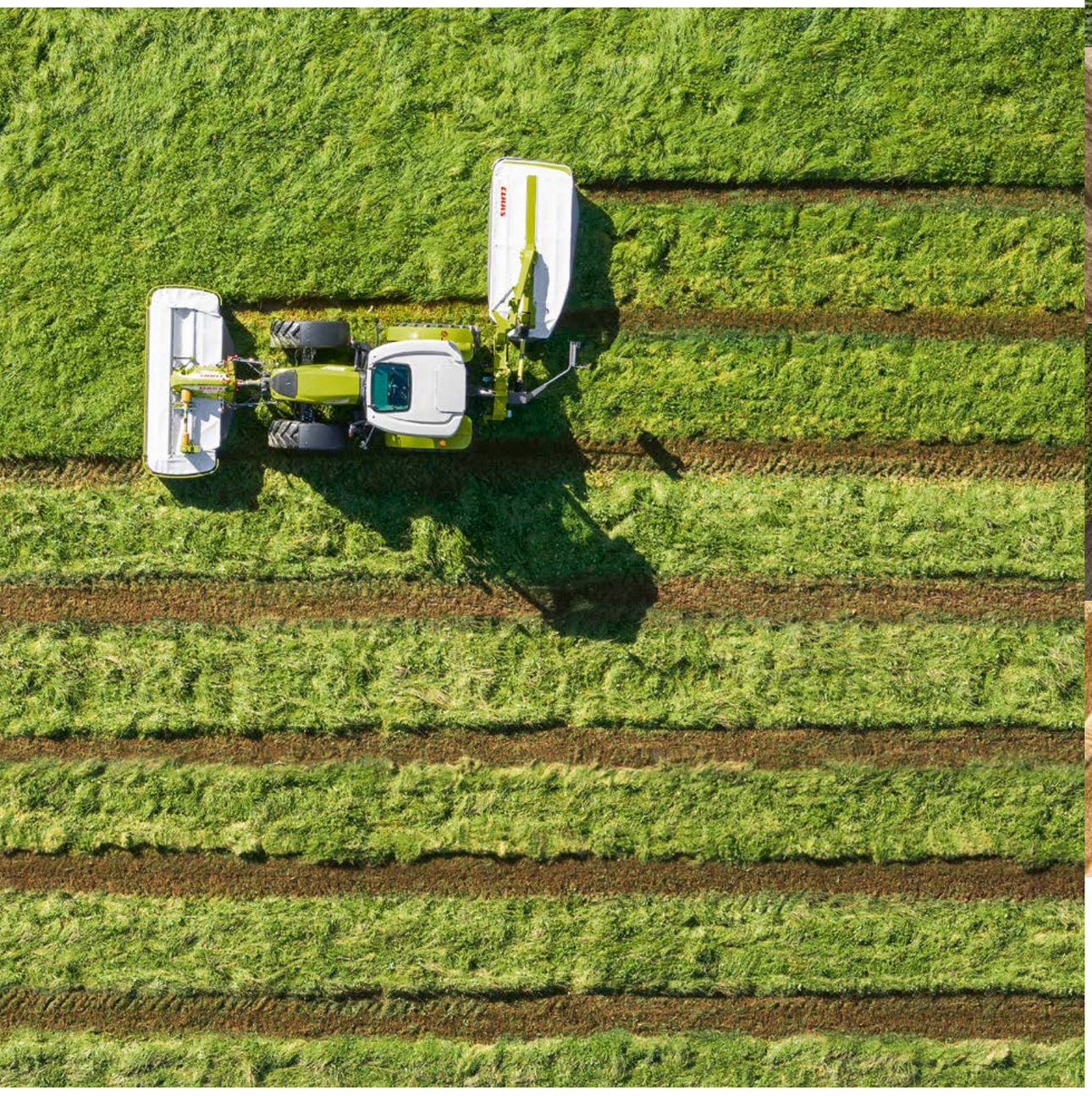
	DISCO[1]	3600 FRC	3600 FC	3600 F	3200 FRC	3200 FC	3200 F	3150 F	4000	3600 RC	3600 / 3600 C	3200 RC	3200 / 3200 C	2800 RC	2800 / 2800 C	3550	3150 C	3150	2750 RC	2750 C	2750	290	250	210 RC	210	3600 TRC	3600 TC	3250 TRC	3200 TC	3200 TC AUTOSWATHER	3150 TRC	3150 TC	3150 TC FLAPTROOPER
		Front mowers							CONTOUR rear mowers							Side-mounted rear mowers										Trailed mowers							
Dimensions and weights																																
Working width	m	3.40	3.40	3.40	3.00	3.00	3.00	3.00	3.80	3.40	3.40	3.00	3.00	2.60	2.60	3.40	3.00	3.00	2.60	2.60	2.60	2.85	2.45	2.10	2.10	3.40	3.40	3.00	3.00	3.00	3.00	3.00	3.00
Hitch category		II	II	II	II	II	II	II	III	III	II / III	III	II / III	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II
PTO speed	rpm	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850) / 540 (460)	1000 (850) / 540 (460)	1000 (850) / 540 (460)	540 (460)	540 (460)	540 (460)	540	540	540	540	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850) / 540 (460)	1000 (850) / 540 (460)	1000 (850) / 540 (460)
Transport width	m	3.40	3.40	3.40	3.00	3.00	3.00	3.00	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3.40	3.40	3.00	3.00	3.00	3.00	3.00	3.00
Machine height	m	–	–	–	–	–	–	–	3.90	3.57	3.57	3.19	3.19	2.86	2.86	3.87	3.70	3.70	3.29	3.29	3.29	3.40	3.00	2.65	2.65	–	–	–	–	–	–	–	–
Weight (according to conditioner)	approx. kg	1220	1195	870	1040	1010	775	685	1040	1300	950 / 1280	1180	870 / 1150	1070	810 / 1050	845	1130	785	1060	1040	725	630	600	880	560	2380	2320	2300	2230	2430	1900	1750	1900
Mower																																
MAX CUT mower bar[2]		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	–	–	–	–	●	●	●	●	●	●	●	●
ACTIVE FLOAT suspension		○[3]	○[3]	○[3]	○[3]	○[3]	○[3]	○[3]	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–	–	–	●	●	●	●	●	–	–	–
Discs (2 knives per disc)		8	8	8	7	7	7	7	9	8	8	7	7	6	6	8	7	7	6	6	6	7	6	5	5	8	8	7	7	7	7	7	7
Quick blade change		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	–	–	–	–	●	●	●	●	●	●	●	●
Conditioner																																
Conditioner speed	rpm	950	900 / 770	–	950	900 / 770	–	–	–	940	– / 910	940	– / 910	940	– / 910	–	900	–	900	900	–	–	–	940	–	1050	1080 / 900	1050	1080 / 900	1200	1033	900/770	1033
Hydraulics																																
Hydraulic spool valves		(1 da[4] + 1 sa[3])						(1 sa[3])	1 x da[5] (+ 1 x sa)							1 x sa										1 x sa + 1 x da (+ 1 x sa)			2 x sa + 1 x da (+ 1 x sa)		1 x sa + 1 x da		
Equipment																																
Hydraulically foldable protective side covers		○	○	○	○	○	○	–	○	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Wide crop spreader		–	–	–	–	–	–	–	–	–	–/○	–	–/○	–	–/○	–	○	–	–	○	–	–	–	–	–	–	○	–	○	○	–	○	–
Adjustable swathing plates		●	●	–	●	●	–	–	–	●	–/●	●	–/●	●	–/●	–	●	–	●	●	–	–	–	●	–	●	●	●	●	●	●	●	●
Outside swathing disc		–	–	● (2 x)	–	–	● (1 x)	● (1 x)	○	–	○/–	–	○/–	–	○/–	○	–	○	–	–	○	–	–	–	–	–	–	–	–	–	–	–	–
High-cut skids		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Twin high-cut skids		○	○	○	○	○	○	–	○	○	○	○	○	○	○	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Wear skids		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Bar protection device (for intensive use conditions)		○	○	○	○	○	○	–	–	○	–/○	○	–/○	○	–/○	–	–	–	–	–	–	–	–	–	–	○	○	○	○	○	–	–	–
Warning signs with lighting		○[6]	○[6]	○[6]	○[6]	○[6]	○[6]	○	○	○	○	○	○	○	○	○	○	○	○	○	○	–	–	–	–	●	●	●	●	●	●	●	●
Hydraulic transport locking device		–	–	–	–	–	–	–	○	○	○	○	○	○	○	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Mechanical breakback protection		–	–	–	–	–	–	–	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	–	–	–	–	–	–	–	–

[1] C = tine conditioner, RC = roller conditioner, no suffix = without conditioner
[2] Standard cut height 40 mm (infinitely variable adjustment 30–70 mm)
[3] 1 x sa required for ACTIVE FLOAT option
[4] 1 x da required for hydraulic protective cover folding option
[5] With float position
[6] Folding

● Standard ○ Optional – Not available.

CLAAS continually develops its products to meet customer requirements. This means that all products are subject to change without notice. All descriptions and specifications in this brochure should be considered approximate and may include optional equipment that is not part of the standard specifications. This brochure is designed for worldwide use. Please refer to your nearest CLAAS dealer and their price list for local specification details. Some protective panels may have been removed to present the function more clearly in photographs. To avoid any risks, you should never remove these protective panels yourself. In this context, please refer to the relevant instructions in the operator's manual.

● Standard ○ Optional – Not available.



Ensuring a better **harvest**.

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